

#9

SEQUENCE LISTING



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 Naming Zhou

<120> A Novel Peptide Antagonist of CXCR4
 Derived from the N-Terminus of Viral Chemokine vMIP-II

<130> HUA01-NP007

<140> 09/773,830

<141> 2001-02-01

<150> 60/180,487

<151> 2000-02-03

<160> 33

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<212> PRT

<213> Artificial Sequence

<220>

<223> v-MIPII derived peptide

<400> 1

Leu	Gly	Ala	Ser	Trp	His	Arg	Pro	Asp	Lys	Cys	Cys	Leu	Gly	Tyr	Gln
1				5				10					15		
Lys	Arg	Pro	Leu	Pro	Gln	Val	Leu	Leu	Ser	Ser	Trp	Tyr	Pro	Thr	Ser
		20					25					30			
Gln	Leu	Cys	Ser	Lys	Pro	Gly	Val	Ile	Phe	Leu	Thr	Lys	Arg	Gly	Arg
		35				40					45				
Gln	Val	Cys	Ala	Asp	Lys	Ser	Lys	Asp	Trp	Val	Lys	Lys	Leu	Met	Gln
	50				55					60					
Gln	Leu	Pro	Val	Thr	Ala	Arg									
65					70										

<210> 2

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<213> Artificial Sequence

<220>

<223> v-MIPII derived peptide

<400> 2

Leu Gly Ala Ser Trp His Arg Pro Asp Lys Cys Cys Leu Gly Tyr Gln

1 5 10 15
Lys Arg Pro Leu Pro
 20

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<210> 3
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<213> Artificial Sequence
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<220>
<223> v-MIPII derived peptide

<400> 3
His Arg Pro Asp Lys Cys Cys Leu Gly Tyr Gln Lys Arg
1 5 10

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<210> 4
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<220>
<223> v-MIPII derived peptide

<400> 4
Leu Gly Ala Ser Trp His Arg Pro Asp Lys
1 5 10

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<210> 5
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<220>
<223> v-MIPII derived peptide

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<400> 5
Leu Gly Tyr Gln Lys Arg Pro Leu Pro Gln Val Leu Leu Ser Ser Trp
 1           5           10           15
Tyr Pro Thr Ser Gln Leu
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<220>
<223> v-MIPII derived peptide

<400> 6

Lys Pro Val Ser His Arg Pro Asp Lys Cys Cys Leu Gly Tyr Gln Lys
 1 5 10 15
 Arg Pro Leu Pro
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<220>
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<400> 7
 Gln Val Leu Leu Ser Ser Trp Tyr Pro Thr Ser Gln Leu Cys Ser Lys
 1 5 10 15
 Pro Gly Val Ile Phe Leu Thr
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<210> 8
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<220>
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<400> 8
 Ser Lys Pro Gly Val Ile Phe Leu Thr Lys Arg Gly Arg Gln Val Cys
 1 5 10 15
 Ala Asp Lys Ser Lys Asp
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<210> 9
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<220>
 <223> v-MIPII derived peptide

<400> 9
 Ala Asp Lys Ser Lys Asp Trp Val Lys Lys Leu Met Gln Gln Leu Pro
 1 5 10 15
 Val Thr Ala Arg
 20

<210> 10
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 <400> 10
 Cys Thr Ser Gln Leu Ala Ser Lys Pro Gly Cys
 1 5 10

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 Cys Phe Leu Thr Lys Arg Gly Arg Gln Val Cys
 1 5 10

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 Lys Arg Pro Leu Pro
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 Ala Gly Ala Ser Trp His Arg Pro Asp Lys Cys Cys Leu Gly Tyr Gln
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 Lys Arg Pro Leu Pro
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<400> 14

Leu	Gly	Ala	Ser	Ala	His	Arg	Pro	Asp	Lys	Cys	Cys	Leu	Gly	Tyr	Gln
1				5					10					15	
Lys	Arg	Pro	Leu	Pro											
			20												

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<223> v-MIPII derived peptide

<400> 15

Leu	Gly	Ala	Ser	Trp	His	Ala	Pro	Asp	Lys	Cys	Cys	Leu	Gly	Tyr	Gln
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Lys	Arg	Pro	Leu	Pro											
			20												

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<223> v-MIPII derived peptide

<400> 16

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Lys	Arg	Pro	Leu	Pro											
			20												

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<223> v-MIPII derived peptide

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Lys	Arg	Pro	Leu	Pro											
			20												

<210> 18
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 1 5 10 15
 Lys Arg Pro Leu Pro
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<210> 19
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 <223> v-MIPIII derived peptide

 <400> 19
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 1 5 10 15
 Lys Ala Pro Leu Pro
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<210> 20
 <211> 21
 <212> PRT
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 <220>
 <223> v-MIPIII derived peptide

 <400> 20
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 1 5 10 15
 Trp Ser Ala Gly Leu
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<210> 21
 <211> 21
 <212> PRT
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 <223> v-MIPIII derived peptide

<400> 21
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 1 5 10 15
 Lys Arg Pro Leu Pro
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<210> 22
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 <212> PRT
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<220>
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<400> 22
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 1 5 10 15
 Trp Ser Ala Gly Leu
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<210> 23
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 <212> PRT
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<220>
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<400> 23
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 1 5 10 15
 Lys Arg Pro Leu Pro
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<210> 24
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<400> 24
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 Lys Arg Pro Leu Pro
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Ala	Gly	Ala	Ser	Trp	His	Arg	Pro	Asp	Lys	Cys	Cys	Leu	Gly	Tyr	Gln
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Lys	Arg	Pro	Leu	Pro											
			20												

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<223> v-MIPII derived peptide

<400> 26

Leu	Gly	Ala	Ser	Ala	His	Arg	Pro	Asp	Lys	Cys	Cys	Leu	Gly	Tyr	Gln
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Lys	Arg	Pro	Leu	Pro											
			20												

<210> 27

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<223> v-MIPII derived peptide

<400> 27

Leu	Gly	Ala	Ser	Trp	His	Ala	Pro	Asp	Lys	Cys	Cys	Leu	Gly	Tyr	Gln
1				5					10					15	
Lys	Arg	Pro	Leu	Pro											
			20												

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<223> v-MIPII derived peptide

<400> 28

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1				5					10					15	
Lys	Arg	Pro	Leu	Pro											
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 <400> 29
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 1 5 10 15
 Lys Arg Pro Leu Pro
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<210> 30
 <211> 21
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 <223> v-MIPII derived peptide

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 1 5 10 15
 Lys Arg Pro Leu Pro
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<210> 31
 <211> 21
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 <220>
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 <400> 31
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 1 5 10 15
 Lys Ala Pro Leu Pro
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<210> 32
 <211> 21
 <212> PRT
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 <223> v-MIPII derived peptide

<400> 32

Leu Gly Ala Ser Trp His Arg Pro Asp Lys Ala Ala Leu Gly Tyr Gln
1 5 10 15
Lys Arg Pro Leu Pro
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<210> 33

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> v-MIPII derived peptide

<400> 33

Leu Gly Ala Ser Trp His Arg Pro Asp Lys
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